



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

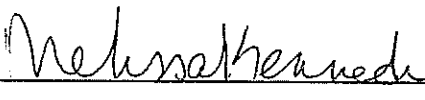
CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010455
CERTIFICATION DATE: September 18, 2013
DATE RECERTIFICATION DUE: March 17, 2014

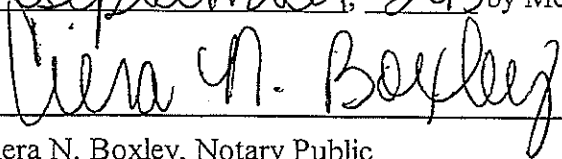
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.


Melissa Kennedy

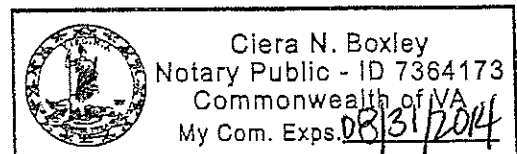
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 23rd day of September, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



DBH
NJK

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 9/19/2013**

Instrument Serial Number: 010455

As of 19-Sep-13

Maintenance Date	Certification Date	Technician Initials	Remarks
18-Sep-13	18-Sep-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
24-Jun-13	24-Jun-13	HMS (18910)	CERTIFIED
23-Oct-12	23-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
13-Sep-12	13-Jun-12	HMS (18910)	REPLACED DRY GAS STANDARD.
13-Jun-12	13-Jun-12	HMS (18910)	CERTIFIED
04-Jun-12	29-Dec-11	HMS (18910)	REPLACED E-SEEK CARD READER.
11-May-12	29-Dec-11	HMS (18910)	REPLACED DRY GAS STANDARD.
29-Dec-11	29-Dec-11	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
10-Nov-11	14-Jul-11	HMS (18910)	REPLACED DRY GAS STANDARD.
14-Jul-11	14-Jul-11	HMS (18910)	CERTIFIED
12-Jul-11	21-Mar-11	HMS (18910)	REPLACED DRY GAS STANDARD.
21-Mar-11	21-Mar-11	HMS (18910)	CALIBRATED AND CERTIFIED.
09-Mar-10	09-Mar-10	NMJ (22392)	ADJUSTED AND TESTED SET SOLENOID, CALIBRATED AND CERTIFIED.
26-Oct-09	26-Oct-09	HMS (18910)	REPLACED TANK TOP LID, CALIBRATED AND CERTIFIED.
26-Mar-09	26-Mar-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
04-Nov-08	04-Nov-08	RJP (22428)	CERTIFIED.
22-Oct-08	22-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
NHL

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number **010455** Worksheet Start Date **9/18/2013**
Location **Pittsylvania CO Jail**
Address **11 Main St Chatham VA 24531**
DFS Technician **Donald Hall** License No. **21250**
☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no. **010455** New serial no. **010455**
E-Seek **010455** Supplies **010455**
Keyboard **010455** Mouthpieces **010455**
Printer **010455** Certificates of Analysis **010455**
UPS **010455** Operator Worksheet **010455**
Other: **010455**



Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010455

Certification Date 9/18/2013

Instrument Barometer (mm HG) 748

Reference Barometer (mm HG) 750

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.246	0.238	0.253	Sample 2	0.241
Precision		sample min	sample max	Sample 3	
0.002		0.240	0.242		0.240

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.148	0.143	0.152	Sample 2	0.146
Precision		sample min	sample max	Sample 3	
0.001		0.145	0.146		0.145

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.079	0.076	0.082	Sample 2	0.077
Precision		sample min	sample max	Sample 3	
0.001		0.077	0.078		0.077

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	
0		0.019	0.019		0.019

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG211702-08

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.098	0.095	0.101	Sample 2	0.096
Precision		sample min	sample max	Sample 3	
0		0.096	0.096		0.096

DFS Technician

Donald B Hall

Date

9/19/13

Issuing Analyst

Melina Kennedy

Date

9/22/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2

WJH




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	09/18/2013
TEST EQUIPMENT NUMBER		
010455		

RESULTS: TIME SAMPLE TAKEN 14:11 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 19 Sep 2013 at 16:36

DBH

WHL

Test Results

Instrument Serial Number 010455

Test # 001501 Subject Test

Test Location 1 Department of
Test Date 18 Sep 2013

Test Location 2 Forensic Science
Test Time 14:05
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 18 Sep 2013 End Time 14:13

Result Time 14:11

Result Date 18 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:05

Data Type BLK

Sample Value 0.000

Sample Time 14:06

Data Type CHK

Sample Value 0.100

Sample Time 14:07

Data Type BLK

Sample Value 0.000

Sample Time 14:08

Data Type SUBJ

Sample Value 0.000

Sample Time 14:09

Data Type BLK

Sample Value 0.000

Sample Time 14:10

Data Type SUBJ

Sample Value 0.000

Sample Time 14:11

Data Type BLK

Sample Value 0.000

Sample Time 14:13

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG226201-25

Standard Expiration Date 09/18/2014

Tank Pressure 968

Barometric Pressure 748 mmHg

Blow Sample Number 1 Blow Duration 3.32 sec

Blow Volume 1804 cc End-of-Blow Time 14:09

Blow Sample Number 2 Blow Duration 3.10 sec

Blow Volume 1709 cc End-of-Blow Time 14:11

Tamper Evident Stamp b8b3fb71

Test Status Code 0

Test Status Success

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010455

System Date: 09/18/2013

System Time: 14:39 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

NSK

DBH

WJH

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010455 Test Number: 1502

Test Date: 09/18/2013 Test Time: 14:44 EDT

Dry Gas Target: 0.098

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 419 psi Barometric Pressure: 748 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:45
CAL	0.098	14:45

Test Status: *Success*

Calibration CRC: 0B708775

Intox EC/IR-II: Certification*Department of Forensic Science*

Serial Number: 010455 Test Number: 1503
Test Date: 09/18/2013 Test Time: 14:49 EDT

Technician Initials: DBH

Dry Gas Target: 0.246

Lot Number: 29612250I2-10 Exp Date: 11/01/2014

Tank Pressure: 262 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:49
BLK	0.000	14:50
CHK	0.242	14:51
BLK	0.000	14:52
CHK	0.241	14:53
BLK	0.000	14:54
CHK	0.240	14:55
BLK	0.000	14:57

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

Handwritten signature

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010455 Test Number: 1504
Test Date: 09/18/2013 Test Time: 14:59 EDT

Technician Initials: DBH

Dry Gas Target: 0.148

Lot Number: 0651215014-07 Exp Date: 04/01/2014

Tank Pressure: 66 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:00
BLK	0.000	15:01
CHK	0.146	15:01
BLK	0.000	15:03
CHK	0.146	15:03
BLK	0.000	15:05
CHK	0.145	15:06
BLK	0.000	15:07

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

WJK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010455 Test Number: 1505
Test Date: 09/18/2013 Test Time: 15:09 EDT

Technician Initials: DBH

Dry Gas Target: 0.079

Lot Number: 06512080I2-03 Exp Date: 04/01/2014

Tank Pressure: 227 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:10
BLK	0.000	15:11
CHK	0.078	15:11
BLK	0.000	15:13
CHK	0.077	15:13
BLK	0.000	15:15
CHK	0.077	15:15
BLK	0.000	15:17

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH
MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010455 Test Number: 1506
Test Date: 09/18/2013 Test Time: 15:19 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 129 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:20
BLK	0.000	15:21
CHK	0.019	15:22
BLK	0.000	15:23
CHK	0.019	15:24
BLK	0.000	15:25
CHK	0.019	15:26
BLK	0.000	15:27

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH
NBL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010455 Test Number: 1507

Test Date: 09/18/2013 Test Time: 15:30 EDT

Dry Gas Target: 0.295

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 360 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:31
CHK	0.292	15:32
BLK	0.000	15:34
CHK	0.291	15:34
BLK	0.000	15:36
CHK	0.290	15:37

Test Status: Success

Calibration CRC: 0B708775

DSH

Wsk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010455 Test Number: 1508

Test Date: 09/18/2013 Test Time: 15:40 EDT

Dry Gas Target: 0.098

Lot Number: AG211702-08 Exp Date: 04/26/2014

Tank Pressure: 414 psi Barometric Pressure: 748 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:41
CHK	0.096	15:42
BLK	0.000	15:43
CHK	0.096	15:44
BLK	0.000	15:45
CHK	0.096	15:46

Test Status: Success

Calibration CRC: 0B708775

DBH
MSK




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	09/18/2013
TEST EQUIPMENT NUMBER		
010455		

RESULTS: TIME SAMPLE TAKEN 15:56 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 19 Sep 2013 at 16:36

DBH

NW

Test Results

Instrument Serial Number 010455

Test # 001509 Subject Test

Test Location 1 Department of
Test Date 18 Sep 2013

Test Location 2 Forensic Science
Test Time 15:49
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Subject's Last Name INSTRUMENT

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Middle Initial

Subject's First Name TEST

Driver's License Number

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License State

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 18 Sep 2013 End Time 15:57

Result Time 15:56

Result Date 18 Sep 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 15:49

Data Type BLK

Sample Value 0.000

Sample Time 15:50

Data Type CHK

Sample Value 0.096

Sample Time 15:51

Data Type BLK

Sample Value 0.000

Sample Time 15:52

Data Type SUBJ

Sample Value 0.000

Sample Time 15:53

Data Type BLK

Sample Value 0.000

Sample Time 15:54

Data Type SUBJ

Sample Value 0.000

Sample Time 15:56

Data Type BLK

Sample Value 0.000

Sample Time 15:57

Standard Type Dry Gas Std

Standard Value 0.098

Standard Lot Number AG211702-08

Standard Expiration Date 04/26/2014

Tank Pressure 409

Barometric Pressure 748 mmHg

Blow Sample Number 1 Blow Duration 3.58 sec

Blow Volume 1851 cc End-of-Blow Time 15:53

Blow Sample Number 2 Blow Duration 3.43 sec

Blow Volume 1801 cc End-of-Blow Time 15:56

Tamper Evident Stamp 9d553369

Test Status Code 0

Test Status Success